Seasons Review Worksheet

1. We have seasons because of Earth’s tilt. Earth tilts \_\_\_\_\_o.

a. 0.5o c. 23.5o

b. 15.5o d. 35.5o

2. On this day, the Sun is at its highest point in the sky. This day marks the first day of summer. It also is known as the longest day because it has the most hours of daylight of any day during the year.

 a. Autumnal Equinox c. Vernal Equinox

 b. Summer Solstice d. Winter Solstice

3. On this day, the daylight and nighttime hours are equal. This occurs in September.

 a. Autumnal Equinox c. Vernal Equinox

 b. Summer Solstice d. Winter Solstice

4. On this day, the daylight and nighttime hours are equal. This occurs in March.

 a. Autumnal Equinox c. Vernal Equinox

 b. Summer Solstice d. Winter Solstice

5. On this day, the Sun is at its lowest point in the sky. This day marks the first day of winter. It also is known as the shortest day because it has the fewest hours of daylight of any day during the year.

 a. Autumnal Equinox c. Vernal Equinox

 b. Summer Solstice d. Winter Solstice

*Use the diagram below to answer questions #6-#8.*

6. Path A shows the path of the Sun during which season?

 a. Autumn /Spring c. Winter

 b. Summer

7. Path B shows the path of the Sun during which season?

 a. Autumn /Spring c. Winter

 b. Summer

8. Path C shows the path of the Sun during which season?

 a. Autumn /Spring c. Winter

 b. Summer

*Use the diagram to answer questions #9 & #10.*

|  |  |  |  |
| --- | --- | --- | --- |
|  |  |  |  |

 **A B C D**

9. Which circle best demonstrates the sunlight we receive in summer (the circles represent how concentrated or spread out the Sun’s rays are when they hit the ground?

 a. A c. C

 b. B d. D

10. Which circle best demonstrates the sunlight we receive in winter?

 a. A c. C

 b. B d. D

*Use the diagram to answer questions #11-#12.*

 **A B**

11. Which diagram represents the Sun in summer (direct heat energy)?

 a. Diagram A b. Diagram B

12. Which diagram represents the Sun in winter (indirect heat energy)?

 a. Diagram A b. Diagram B

*Use the diagram to answer the next question.*

13. This is an example of Earth’s…

 a. revolution. c. spiraling.

 b. rotation. d. turning.

14. The Earth rotates\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ around its axis and revolves \_\_\_\_\_\_\_\_\_\_\_\_­\_\_\_\_\_\_\_\_\_ around the Sun.

 a. clockwise b. counterclockwise

*Use the diagram to answer questions #15-#18.*

**B**

**C**

**D**

**A**

15. When the Earth is at Position A, we are experiencing which seasons?

 a. Autumn c. Summer

 b. Spring d. Winter

16. When the Earth is at Position B, we are experiencing which seasons?

 a. Autumn c. Summer

 b. Spring d. Winter

17. When the Earth is at Position C, we are experiencing which seasons?

 a. Autumn c. Summer

 b. Spring d. Winter

18. When the Earth is at Position D, we are experiencing which seasons?

 a. Autumn c. Summer

 b. Spring d. Winter

**C**

**D**

**A**

**B**

19. When the Earth is at Position A, we are experiencing which season?

 a. Autumn c. Summer

 b. Spring d. Winter

20. When the Earth is at Position B, we are experiencing which season?

 a. Autumn c. Summer

 b. Spring d. Winter

21. When the Earth is at Position C, we are experiencing which season?

 a. Autumn c. Summer

 b. Spring d. Winter

22. When the Earth is at Position D, we are experiencing which season?

 a. Autumn c. Summer

 b. Spring d. Winter

*Use the diagram to answer the next question.*

23. The arrows point the direction of the Earth’s…

 a. revolution. c. spiraling.

 b. rotation. d. turning.

*Use the diagrams to answer questions #24-#25.*

**A**

**B**

*Match the picture with the correct type of heat energy.*

|  |  |
| --- | --- |
| \_\_\_\_\_24. Picture A\_\_\_\_\_25. Picture B | A. Direct sunlight (heat energy).B. Indirect sunlight (heat energy). |

Seasons Review Worksheet – Key

1. We have seasons because of Earth’s tilt. Earth tilts \_\_\_\_\_o.

***c. 23.5o***

2. On this day, the Sun is at its highest point in the sky. This day marks the first day of summer. It also is known as the longest day because it has the most hours of daylight of any day during the year.

 ***b. Summer Solstices***

3. On this day, the daylight and nighttime hours are equal. This occurs in September.

 ***c. Autumnal Equinox***

4. On this day, the daylight and nighttime hours are equal. This occurs in March.

 ***c. Vernal Equinox***

5. On this day, the Sun is at its lowest point in the sky. This day marks the first day of winter. It also is known as the shortest day because it has the fewest hours of daylight of any day during the year.

 ***d. Winter Solstices***

6. Path A shows the path of the Sun during which season?

 ***c. Winter***

7. Path B shows the path of the Sun during which season?

 a. Autumn /Spring c. Winter

 b. Summer

 ***a. Autumn/Spring***

8. Path C shows the path of the Sun during which season?

 ***b. Summer***

9. Which circle best demonstrates the sunlight we receive in summer?

 ***a. A***

10. Which circle best demonstrates the sunlight we receive in winter?

 ***d. D***

11. Which diagram represents the Sun in summer (direct heat energy)?

 ***a. Diagram A***

12. Which diagram represents the Sun in winter (indirect heat energy)?

 ***b. Diagram B***

13. This is an example of Earth’s…

 ***a. revolution***

14. The Earth rotates \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ around its axis and revolves \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ around the Sun.

 ***b. counterclockwise***

15. When the Earth is at Position A, we are experiencing which seasons?

 ***b. Spring***

16. When the Earth is at Position B, we are experiencing which seasons?

 ***c. Summer***

17. When the Earth is at Position C, we are experiencing which seasons?

 ***a. Autumn***

18. When the Earth is at Position D, we are experiencing which seasons?

 ***d. Winter***

19. When the Earth is at Position A, we are experiencing which season?

 ***a. Autumn***

20. When the Earth is at Position B, we are experiencing which season?

 ***d. Winter***

21. When the Earth is at Position C, we are experiencing which season?

 ***b. Spring***

22. When the Earth is at Position D, we are experiencing which season?

 ***c. Summer***

23. The arrows point the direction of the Earth’s…

 ***b. rotation.***

***B*** 24. Picture A

***A*** 25. Picture B

Seasons Review Worksheet – Scoring Guide

|  |  |  |
| --- | --- | --- |
| ***1. c******2. b******3. c******4. c******5. d******6. c (3 choices)******7. a (3 choices)******8. b******9. a******10. d******11. a (2 choices)******12. b (2 choices)******13. a*** | ***14. b (2 choices)******15. b******16. c******17. a******18. d******19. a******20. d******21. b******22. c******23. b******24. B (2 choices)******25. A (2 choices)*** | ***Scoring Guide******22-25 – 3*** ***19-21 – 2.5******15-18 – 2*** ***10-14 – 2.5******5-9 – 1*** ***1-4 – .5*** ***0 – 0***  |